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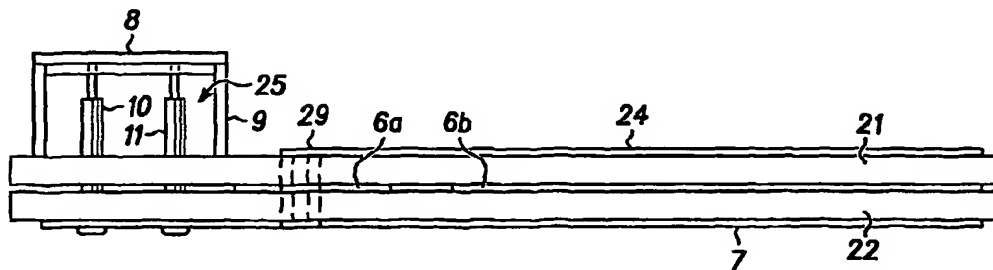
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(54) Title: AN ANTENNA RADIATOR ASSEMBLY AND RADIO COMMUNICATIONS ASSEMBLY



(57) Abstract: An antenna radiator assembly (2) and radio communications assembly (1) comprising a circuit board (5) formed from dielectric layers dielectric layers (21, 22) supporting electrical conductors. The electrical conductors include a feed point conductive trace (23) and 10 conductive sheets (7, 24) comprising a ground plane. An antenna radiator element (8) is spaced from the circuit board (5) and when viewed in plan view there is an overlapping area (25) where most of a surface area of the antenna radiator element (8) overlaps a surface area of the circuit board (26) thereby forming a sandwiched dielectric region (15, 25). A feed point connector (11) couples the antenna radiator element (8) to the feed point conductive trace (23) and a ground connector (10) couples the antenna radiator element (8) to the ground plane. The circuit board dielectric layers (21, 22) in the sandwiched dielectric region (25) are disposed between the antenna radiator element (8) and (20) the ground plane.

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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,006,859 A (Wong et al) 09 Apr 1991 (09.04. 1991), col. 3, lines 57 +	1-24
A	US 5,001,492 A (Shapiro et al) 19 Mar 1991 (19.03. 1991), whole document	1-24
A	US 5,488,380 A (Harvey et al) 30 Jan 1996 (30.01. 1996), whole document	1-24
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